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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/819,308

DATE: 04/11/2001
 TIME: 13:46:35

Input Set : A:\Sequence.ST25.txt
 Output Set : N:\CRF3\04112001\I819308.raw

3 <110> APPLICANT: Neebhorn, Mathieu
 4 Danen-van Oorschot, Astrid
 5 Rohn, Jennifer
 7 <120> TITLE OF INVENTION: APOPTIN ASSOCIATING PROTEIN
 9 <130> FILE REFERENCE: 2906-4320US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/819,308
 12 <141> CURRENT FILING DATE: 2001-03-27
 14 <160> NUMBER OF SEQ ID NOS: 46
 15 <170> SOFTWARE: PatentIn version 2.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 981
 20 <212> TYPE: DNA
 21 <213> ORGANISM: vector pMT2SM AAP-5
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 26 ccaagggaag gaggggcaac caatgbotat cgtttatcaca gaggcgagtc gaagctgcag 120
 28 atggtcttgg acataaggaa ttgtcagaga aaagacagaa aaaagacatc ccttggctct 180
 30 ggaagcagct atcaaatatc agagcatgct ccagaggcat ccagagctgc tgagaacatc 240
 32 tctaaaggac tctacataga agtatatcca gggacctatt ctgtcactgt gggctcaaat 300
 34 gacttaacca agaagactca ttgtgttaga gttgallctg gacaaagcgt ggaactgggc 360
 36 ttccctgtgt gatgttgacc atcacagca tcaatcacc ttttttlaag taglaaqaal 420
 38 aaagccactg tatgattctc ttaatatgta tcaatttacc ctgttttttag tcttgactgg 480
 40 gtccagcttc cgggaactgg agtctgtctc ttccagtgtt tttttgtttg tttggtttgt 540
 42 ttttttttga gacagctctg ctctgttccc caggctggag tgcagtggcg tgatctggcg 600
 44 tcaacgcaag ttccgctctc cgggttcaaa ccattctctt gctcagctt ccagagtagc 660
 46 tggcaactaa ggcaccggcc accatggccg gctatttttt ttgtattttt agtagagacg 720
 48 ggggttcaac atgtttggca ggaaggcttc gatctcttga cctcgtgac caccacactt 780
 50 ggcctcccaa atgtgttggg ttacaggcgt gagccaccgc gcccggtctc agtgcctttt 840
 52 ttaactttag gttgttaggg tctccacgc ttgttttctt gaaagtaata taatgatgct 900
 54 gtcgaacag gttttaaigt ttgctttcca agtaaagggt aattatgata ataaagagat 960
 56 ttgggccttc gtgcctctga g 981
 59 <210> SEQ ID NO: 2
 60 <211> LENGTH: 126
 61 <212> TYPE: PEP
 62 <213> ORGANISM: vector pMT2SM-AAP-5
 63 <400> SEQUENCE: 2
 64 His Glu Gly Pro Met Ala Glu Phe Met Asp Tyr Thr Ser Ser Cln Cys
 65 1 5 10 15
 66 Gly Lys Tyr Tyr Ser Ser Val Pro Glu Gly Gly Ala Thr His Val
 67 20 25 30
 68 Tyr Arg Tyr His Arg Gly Glu Ser Lys Leu His Met Cys Leu Asp Ile
 69 35 40 45
 70 Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser Leu Gly Pro Gly
 71 50 55 60
 72 Gly Ser Tyr Gln Ile Ser Glu His Ala Pro Glu Ala Ser Gln Pro Ala
 73 65 70 75 80
 74 Glu Asn Ile Ser Lys Asp Leu Tyr Ile Glu Val Tyr Pro Gly Thr Tyr

P.S
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82                               85                               90                               95
81 Ser Val Thr Val Gly Ser Asn Asp Leu Thr Lys Lys Thr His Val Val
85                               100                               105                               110
84 Ala Val Asp Ser Gly Gln Ser Val Asp Leu Val Phe Pro Val
88                               115                               120                               125
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91 <211> LENGTH: 17
92 <212> TYPE: DNA
93 <213> ORGANISM: pACT-specific primer
94 <400> SEQUENCE: 3
95 taccactaca atggaatc
96 <210> SEQ ID NO: 4
97 <211> LENGTH: 15
98 <212> TYPE: PRT
99 <213> ORGANISM: partial AAP-5 clone peptide
100 <400> SEQUENCE:
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102 1 5 10 15
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 16
105 <212> TYPE: PRT
106 <213> ORGANISM: partial AAP-5 clone peptide
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108 Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser Leu Gly Pro Cys
109 1 5 10 15
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 16
112 <212> TYPE: PRT
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117 <210> SEQ ID NO: 7
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123 <210> SEQ ID NO: 8
124 <211> LENGTH: 28
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126 <213> ORGANISM: AAP-5 3'primer
127 <400> SEQUENCE: 8
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129 <210> SEQ ID NO: 9
130 <211> LENGTH: 974
131 <212> TYPE: DNA
132 <213> ORGANISM: AAP-5
133 <400> SEQUENCE: 9

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153 ctggcgccggc ggcgcgggga ggcctagccc tggctccctct tccctaggata ggccttgcgcg 60
156 catgcgcctt gacgagtgag cccgggagcc atggacaact gtcttgccggc cgcagcgctg 120
159 aatgggggtgg acgcagcttc cctgcagcct tcagcaaaag tggctctaga agtgcctggg 180
159 agggccaaaga ggaggggcgg ggactggcct gccctggagg gtcaccaagg ctgcctgggg 240
161 gtccttgcgc gggagggccc ccaactagcg aaacagccgg gacccggccc ggcgcgcctt 300
164 ctcccgaggag agagagaaga gagaacccca acccttagtg ctcccttcag acaatggct 360
165 gaattcatgg actabacttc aagtcactgt ggaatatt attcatctgt ggcagggaa 420
167 ggaggggaaa ccaatgcta tggctatcc agatgcact ggcagctgca catgtctt 480
169 gacatagggg aaggtcagag aaagagctga aaagagat ccttggctcc tggagggc 540
171 tatcaaatat cagagcctgc tcagagggca tccagccttg ctgagacat ctctaaagg 600
174 ctctacatag agtatatcc agggacatct tctgtcctg tggctccaaa tgaattaac 660
176 aagaagactc atgtggttag agttgattct gga aaagcg tgaacctggt ctccctgg 720
179 gaggctgac cttcaactgc atcaatgac ccttttttaa gtaataagg taagcact 780
179 gbatgattct cttaatagct atcaatgact cctgttttta gttctgctg ggcagcctt 840
181 ccggaactc ggtctgctt ctttcagggc tttttgctt gtttggcttg tttttttt 900
183 agcaggtctc attctatgc ccaatcaga gggaggtat ctactctag ctcaatgaa 960
185 gttccgcttc cggg 974

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188 <210> SEQ ID NO: 10

189 <211> LENGTH: 210

190 <212> TYPE: PRT

191 <213> ORGANISM: open reading frame of AAP-5

192 <210> SEQUENCE: 10

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193 Met Asp Asn Cys Leu Ala Ala Ala Ala Leu Asn Gly Val Asp Arg Arg
194 1 5 10 15
198 Ser Leu Gln Arg Ser Ala Cys Leu Ala Leu Gln Val Leu Glu Arg Ala
199 20 25 30
203 Lys Arg Arg Ala Val Asp Trp His Ala Leu Gln Arg Pro Lys Gly Cys
204 35 40 45
204 Met Gly Val Leu Ala Arg Gln Ala Pro His Leu Gln Lys Gln Pro Ala
205 50 55 60
207 Ala Gly Pro Gln Arg Val Leu Pro Gly Glu Arg Glu Gln Arg Pro Pro
208 65 70 75 80
210 Thr Leu Ser Ala Ser Phe Arg Thr Met Ala Glu Phe Met Asp Tyr Thr
211 85 90 95
213 Ser Ser Gln Cys Gly Lys Tyr Tyr Ser Ser Val Pro Glu Glu Gly Gly
214 100 105 110
216 Ala Thr His Val Tyr Arg Tyr His Arg Gly Glu Ser Lys Leu His Met
217 115 120 125
219 Cys Leu Asp Ile Gly Asn Gly Gln Arg Lys Asp Arg Lys Lys Thr Ser
220 130 135 140
223 Leu Gly Pro Gly Gly Ser Tyr Gln Ile Ser Glu His Ala Pro Glu Ala
224 145 150 155 160
225 Ser Gln Pro Ala Glu Asn Ile Ser Lys Asp Leu Tyr Ile Glu Val Tyr
226 165 170 175
228 Pro Gly Thr Tyr Ser Val Thr Val Gly Ser Asn Asp Leu Thr Lys Lys
229 180 185 190
231 Thr His Val Val Ala Val Asp Ser Gly Gln Ser Val Asp Leu Val Phe
232 195 200 205
234 Pro Val

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335 <210> SEQ ID NO: 11
337 <211> LENGTH: 23
338 <212> TYPE: DNA
339 <213> ORGANISM: AAP-5 #5F
340 <400> SEQUENCE: 11
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342 <210> SEQ ID NO: 12
343 <211> LENGTH: 23
344 <212> TYPE: DNA
345 <213> ORGANISM: AAP-5 #5R
346 <400> SEQUENCE: 12
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348 <210> SEQ ID NO: 13
349 <211> LENGTH: 15
350 <212> TYPE: PPT
351 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
352 <400> SEQUENCE: 13
353 Ile Tyr Glu Ala Ser Gly Glu Arg Pro Val Thr Ala Gly Glu Glu
354 1 5 10 15
355 <210> SEQ ID NO: 14
356 <211> LENGTH: 15
357 <212> TYPE: PPT
358 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
359 <400> SEQUENCE: 14
360 Asp Glu Glu Val Pro Asp Ser Ile Asp Ala Arg Glu Ile Phe Asp
361 1 5 10 15
362 <210> SEQ ID NO: 15
363 <211> LENGTH: 15
364 <212> TYPE: PPT
365 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
366 <400> SEQUENCE: 15
367 Arg Ser Ile Asn Asp Pro Glu His Pro Leu Thr Leu Glu Glu Leu
368 1 5 10 15
369 <210> SEQ ID NO: 16
370 <211> LENGTH: 15
371 <212> TYPE: PPT
372 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
373 <400> SEQUENCE: 16
374 Glu Glu Ser Thr Pro Val His Asp Ser Pro Gly Lys Asp Asp Ala
375 1 5 10 15
376 <210> SEQ ID NO: 17
377 <211> LENGTH: 15
378 <212> TYPE: PPT
379 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
380 <400> SEQUENCE: 17
381 Asp Ser Phe Lys Thr Lys Asp Ser Phe Arg Thr Ala Lys Ser Lys
382 1 5 10 15
383 <210> SEQ ID NO: 18

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306 <211> LENGTH: 15
307 <212> TYPE: PRT
308 <213> ORGANISM: Peptides used for raising antibodies against AAP-3
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311 1 5 10 15
312 <210> SEQ ID NO: 19
313 <211> LENGTH: 6
314 <212> TYPE: PRT
315 <213> ORGANISM: pMT2SM vector containing a Myc tag
316 <400> SEQUENCE: 19
317 616 Glu Glu Lys Leu Ile Ser Glu Glu Asp Leu
318 1 5 10
319 <210> SEQ ID NO: 20
320 <211> LENGTH: 651
321 <212> TYPE: DNA
322 <213> ORGANISM: partial sequence of vector pMT2SM-AAP-3
323 <400> SEQUENCE: 20
324 331 cggatggttag gggggggggg ggtagggggg ggggtctctgg agaattgccaa cccctctatc 60
325 332 tggatggagt ctggggagag gctgtgtacg gaaggagagg aggaaggaga ggttcccgac 120
326 333 agatagaag cagcagagat cttagatctg attcgttcaa tcaatgaccc ggaatctca 180
327 334 ctgaagctag agcagttgaa cgtagttagg caggtggagg tttaggttag cgaacccag 240
328 335 attcaatttg ctctgppllt cacacacaaa attcgcactt gcaagcatgg cacccttatl 300
329 336 ggtctgtcra tcaaggtcaa gctttctgag tcccttctct agcgtttcaa gatggacgtg 360
330 337 cactttactc cggagaccca tgcctcagag catgcagtga accaagcaat tgcagataag 420
331 338 gggcgggttg caacttcccc ggagaaacac cactcttggg agattgtgaa tcaatgccc 480
332 339 tcaagccgct cctgaagctg gcccttgacc cctcaacctg catactgggt atctggtcc 540
333 340 caactctctc caaggtgtgt taccgttgtt tctctggcat cactcacaaa tgagaaacta 600
334 341 acatttgcct ttgtgtaata aagttaattt atattcctaa aaaaaaaaaa c 651
342 <210> SEQ ID NO: 21
343 <211> LENGTH: 167
344 <212> TYPE: PRT
345 <213> ORGANISM: partial sequence of vector pMT2SM-AAP-3
346 <400> SEQUENCE: 21
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348 362 1 5 10 15
349 363 Glu Asn Ala Asn Pro Leu Ile Tyr Gln Arg Ser Gly Glu Arg Pro Val
350 364 20 25 30
351 365 Thr Ala Gly Glu Glu Asp Glu Gln Val Pro Asp Ser Ile Asp Ala Arg
352 366 35 40 45
353 367 Glu Ile Phe Asp Leu Ile Arg Ser Ile Asn Asp Pro Glu His Pro Leu
354 368 50 55 60
355 369 Thr Leu Glu Glu Leu Asn Val Val Glu Gln Val Arg Val Gln Val Ser
356 370 65 70 75 80
357 371 Asp Pro Glu Ser Thr Val Ala Val Ala Phe Thr Pro Thr Ile Pro His
358 372 85 90 95
359 373 Cys Ser Met Ala Thr Leu Ile Gly Leu Ser Ile Lys Val Lys Leu Leu
360 374 100 105 110
361 375 Arg Ser Leu Pro Gln Arg Phe Lys Met Asp Val His Ile Thr Pro Gly

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L 470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L 473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L 476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L 482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L 485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23